

GILA RIVER BASIN

09451800 TOLLGATE WASH TRIBUTARY NEAR CLIFTON, AZ

LOCATION.--Lat 32°51'00", long 109°20'15", in SW¹/₄ sec.1, T.7 S., R.29 E., Graham County, Hydrologic Unit 15040005, at U.S. Highway 666, at Graham-Greenlee County line 14 mi south of Clifton.

DRAINAGE AREA.--0.12 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1963	07-19-63	62		1970	00-00-70	0	
1964	00-00-64	29		1971	10-02-70	15	
1965	09-03-65	10		1972	00-00-72	8.0	LT
1966	09-15-66	34		1973	10-19-72	63	
1967	00-00-67	0		1974	08-23-74	56	
1968	00-00-68	0		1975	07-24-75	22	
1969	00-00-69	0		1976	00-00-76	0	

Magnitude and probability of instantaneous peak flow based on period of record 1963-76

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2† 50%	5† 20%	10† 10%	25† 4%	50† 2%	100† 1%
11.4	39.7	70.5	123	170	225
Weighted skew	(logs) =	-0.54			
Mean	(logs) =	0.99			
Standard dev.	(logs) =	0.71			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
878	0.60	4,800	0.0	1.0	13.5	1.8	3.4

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